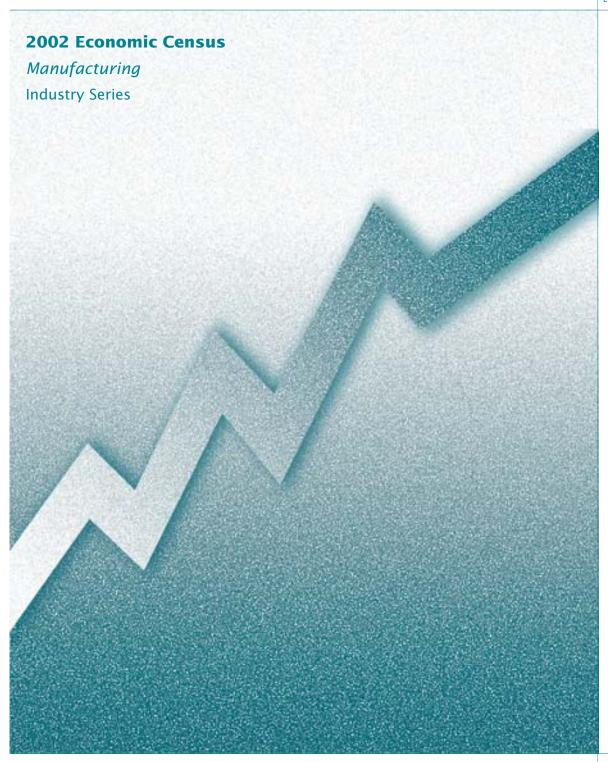
Machine Shops: 2002

Issued September 2004

EC02-311-332710





Helping You Make Informed Decisions

U.S. Department of Commerce Economics and Statistics Administration U.S. CENSUS BUREAU



CONTENTS

	duction to the Economic Census	v ix
Table	es	
1. 2. 3. 4. 5. 6a. 6b. 7.	Historical Statistics for the Industry: 2002 and Earlier Years Industry Statistics for Selected States: 2002 Detailed Statistics by Industry: 2002 Industry Statistics by Employment Size: 2002 Industry Statistics by Primary Product Class Specialization: 2002 Products Statistics: 2002 and 1997 Product Class Shipments for Selected States: 2002 and 1997 . Materials Consumed by Kind: 2002 and 1997	1 2 3 4 5 6
Appe	endixes	
A. B. C. D. E. F.	Explanation of Terms NAICS Codes, Titles, and Descriptions Methodology Geographic Notes Metropolitan and Micropolitan Statistical Areas Comparability of Product Classes and Product Codes: 2002 to 1997	A-1 B-1 C-1 F-1

-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

		All	All em	ployees	Production workers				Total	Total	Total capital
Industry and year ¹	Com- panies ²	estab- lish- ments ³	Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)	Value added (\$1,000)	cost of materials (\$1,000)	value of shipments (\$1,000)	expendi- tures (\$1,000)
332710, Machine shops	22 148 N N N N 23 430	N N N		10 228 521 10 407 675 9 744 727	180 651 225 440 232 827 224 846 236 351 224 717	348 982 449 771 442 844 434 099 477 156 426 909	5 968 937 6 830 324 6 999 591 6 540 368 6 581 055 6 306 733	17 848 404 19 504 312 20 551 822 18 833 831 18 283 952 18 330 482	8 527 365 9 772 680 10 143 482 9 252 810 8 777 876 8 610 590	26 347 619 29 304 548 30 495 354 27 995 426 27 006 257 26 850 065	1 659 763 1 626 683 1 882 060 1 736 842 1 704 551 1 552 641

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

		All establishments ²		All employees		Production workers						
Industry and geographic area	E¹	Total	With 20 em- ploy- ees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)	Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
332710, Machine shops												
United States. Alabama Alaska Arizona Arkansas California Colorado Connecticut Delaware Florida Georgia	2 1 2 3 3 3 4 2 4 4	22 363 355 20 311 193 2 982 310 451 36 593 417	3 061 51 1 40 15 365 25 25 53 5 37	240 140 3 601 105 3 147 1 286 29 282 2 173 5 371 405 3 294 3 119	8 968 035 122 588 4 529 116 720 41 541 1 146 649 79 341 214 900 18 706 111 425 114 498	180 651 2 717 80 2 306 991 22 466 1 609 3 430 279 2 472 2 329	348 982 4 995 176 4 434 1 863 43 296 3 017 6 922 588 4 570 4 391	5 968 937 82 952 3 049 78 472 28 984 786 976 52 093 129 941 11 808 74 249 74 972	17 848 404 228 227 11 370 216 378 88 625 2 281 562 151 867 361 220 40 752 210 527 214 950	8 527 365 108 949 5 091 94 326 40 413 966 266 70 907 233 848 18 636 96 624 113 034	26 347 619 336 696 16 368 311 812 129 027 3 249 740 224 207 592 110 59 611 306 311 335 245	1 659 763 21 382 738 16 729 7 977 209 642 13 630 34 569 2 415 21 690 19 895
Idaho Illinois Indiana Iowa Kansas Kentucky Louisiana Maine Maryland Massachusetts	2 2 2 2 1 3 3 1 3 2	212 258 280 112	10 206 99 45 39 47 54 10 38 95	733 14 761 7 188 2 903 3 388 3 408 3 612 1 113 2 474 7 009	22 927 575 116 257 658 99 430 116 518 118 499 122 761 49 183 100 960 307 885	580 11 155 5 426 2 181 2 462 2 493 2 786 885 1 847 5 104	994 22 157 10 294 4 097 4 887 4 759 4 893 1 769 3 605 10 322	15 857 382 567 172 530 66 041 76 166 74 524 82 680 35 530 64 287 200 250	44 879 1 135 257 496 592 196 105 227 037 242 997 236 474 115 472 209 830 585 620	17 993 509 057 211 136 110 668 170 623 108 793 100 038 50 238 112 471 249 222	62 820 1 639 690 713 023 305 339 396 096 355 253 335 591 165 756 321 528 835 465	6 208 102 567 47 055 16 831 19 885 15 807 22 746 12 226 29 892 49 143
Michigan . Minnesota . Mississippi . Missouri . Montana . Nebraska . Nevada . New Hampshire . New Jersey . New Mexico .	2 1 2 2 4 3 3 4 3 4	1 293 650 134 416 75 113 78 200 529 86	208 103 14 43 4 9 4 28 50 6	16 926 7 896 1 012 4 122 347 885 393 1 747 4 504 613	652 831 310 451 33 938 152 322 12 207 29 446 13 620 70 416 199 225 24 539	12 810 5 734 756 3 139 250 667 284 1 284 3 217 452	25 283 10 984 1 430 5 906 443 1 270 483 2 514 6 221 852	436 861 198 942 21 879 103 097 7 642 20 393 8 795 47 634 120 385 16 359	1 395 187 640 306 64 935 302 898 25 596 60 158 28 754 137 552 357 281 38 213	804 657 307 569 36 477 120 569 18 501 26 932 11 013 52 204 190 795 19 592	2 206 954 946 104 101 201 423 025 43 568 85 531 39 740 189 726 545 942 59 050	151 677 58 514 5 715 28 426 1 880 4 174 2 036 10 699 37 848 3 323
New York North Carolina North Dakota Ohio Oklahoma Oregon Pennsylvania Rhode Island South Carolina South Dakota	3 3 2 2 3 2 2 1 3 1	355 341 1 155 85	117 65 4 237 35 37 200 12 43 8	8 489 5 989 259 18 881 2 871 2 894 14 270 892 3 028 421	326 030 204 453 7 943 681 221 96 799 103 883 523 499 33 394 108 554 12 538	6 434 4 606 198 14 466 2 203 2 134 10 761 707 2 290 332	12 735 8 758 340 28 573 4 094 4 181 20 882 1 384 4 157 604	216 729 139 096 5 257 466 501 67 694 348 263 24 070 73 163 9 214	668 767 406 529 14 869 1 368 944 184 608 199 935 998 804 69 866 210 281 25 258	290 119 193 926 6 885 623 983 73 567 91 050 466 035 32 234 101 816 14 689	951 337 606 027 21 681 1 992 947 255 292 291 533 1 463 537 101 951 313 615 38 044	65 506 40 647 1 471 108 431 17 101 17 428 87 484 9 470 37 208 2 107
Tennessee Texas Utah Vermont Virginia Washington West Virginia Wisconsin Wyoming	2 3 4 2 1 2 2 1	404 1 564 180 45 319 459 121 709 42	58 215 26 7 38 43 22 144 5	3 951 17 273 1 591 362 4 219 4 106 1 672 11 577 484	146 852 619 229 52 899 12 966 154 739 143 656 48 638 429 230 16 511	2 998 13 422 1 193 276 3 262 2 962 1 302 8 466 370	5 721 25 661 2 185 557 6 403 5 891 2 436 16 239 626	99 552 412 911 35 392 8 608 105 519 96 912 34 413 268 967 11 210	303 457 1 344 015 110 920 24 403 290 860 304 346 97 267 839 891 31 083	129 916 556 206 53 137 7 565 114 480 136 606 44 978 595 658 15 871	418 824 1 881 011 162 274 32 188 404 070 443 802 141 266 1 438 422 47 552	20 290 129 397 11 454 2 003 29 064 25 286 8 863 68 024 3 054

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

¹Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
332710, Machine shops	
Companies ¹ number	22 148
All establishments ²	22 363 19 302 2 811 250
All employees³ number Total compensation \$1,000 Annual payroll \$1,000 Total fringe benefits \$1,000	240 140 10 487 413 8 968 035 1 519 378
Production workers, average for year	180 651 180 782 181 367 180 907 179 138
Production worker hours	348 982 5 968 937
Total cost of materials \$1,000. Materials, parts, containers, packaging, etc., used \$1,000. Resales \$1,000. Purchased fuels \$1,000. Purchased electricity \$1,000. Contract work \$1,000.	8 527 365 6 298 980 775 267 60 198 270 261 1 122 659
Quantity of electricity purchased for heat and power. 1,000 kWh. Quantity of electricity generated less sold for heat and power 1,000 kWh.	4 139 508 S
Total value of shipments \$1,000 Primary products value of shipments \$1,000 Secondary products value of shipments \$1,000 Total miscellaneous receipts \$1,000 Value of resales \$1,000 Contract receipts \$1,000 Other miscellaneous receipts \$1,000	26 347 619 23 246 932 1 050 071 2 050 614 1 021 461 441 019 588 134
Primary products specialization ratio percent. Value of primary products shipments made in all industries \$1,000. Value of primary products shipments made in this industry \$1,000. Value of primary products shipments made in other industries \$1,000.	96 24 571 307 23 246 932 1 324 375
Coverage ratiopercent	95
Value added \$1,000.	17 848 404
Total inventories, beginning of year \$1,000. Finished goods inventories \$1,000. Work-in-process inventories \$1,000. Materials and supplies inventories \$1,000.	2 843 274 721 757 1 408 722 715 134
Total inventories, end of year \$1,000. Finished goods inventories \$1,000. Work-in-process inventories \$1,000. Materials and supplies inventories \$1,000.	2 900 110 743 209 1 415 420 744 361
Gross value of depreciable assets (acquisition costs) at beginning of year \$1,000 Total capital expenditures (new and used) \$1,000 Buildings and other structures (new and used) \$1,000 Machinery and equipment (new and used) \$1,000 Automobiles, trucks, etc., for highway use \$1,000 Computers and peripheral data processing equipment \$1,000 All other expenditures for machinery and equipment \$1,000 Total retirements \$1,000 Gross value of depreciable assets at end of year \$1,000	14 028 646 1 659 763 202 820 1 456 943 91 077 182 458 1 183 408 878 980 14 809 429
Depreciation charges during year	1 035 892
Total rental payments \$1,000. Buildings and other structures \$1,000. Machinery and equipment \$1,000.	800 713 451 595 349 118
Total other expenses ⁴ \$1,000. Response coverage ratio ⁵ percent. Repair and maintenance services of buildings and/or machinery ⁴ \$1,000. Communications services ⁴ \$1,000. Legal services ⁴ \$1,000. Accounting, auditing, and bookkeeping services ⁴ \$1,000. Advertising and promotional services ⁴ \$1,000. Expensed computer hardware and supplies and purchased computer services ⁴ \$1,000. Refuse removal (including hazardous waste) services ⁴ \$1,000. Management consulting and administrative services ⁴ \$1,000. Taxes and license fees ⁴ \$1,000. All other expenses ⁴ \$1,000.	2 211 298 71 189 622 59 268 41 638 49 033 37 014 29 817 42 225 40 287 125 792 1 596 602

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.
2Includes establishments with payroll at any time during the year.
3Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.
4Based on Annual Survey of Manufactures (ASM) sample data.
5A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class			All emp	oloyees	Pr	oduction worke	ers		Total	Total	Total capital
		All estab- lish- ments ²	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)	Value added (\$1,000)	cost of materials (\$1,000)	value of shipments (\$1,000)	expendi- tures (\$1,000)
332710, Machine shops											
All establishments	2	22 363	240 140	8 968 035	180 651	348 982	5 968 937	17 848 404	8 527 365	26 347 619	1 659 763
1 to 4 employees 5 to 9 employees	9	12 560 3 300	21 717 22 748	796 307 815 450	17 130 16 910	30 925 30 899	533 463 558 744	1 519 079 1 627 345	669 406 636 955	2 189 388 2 271 854	160 129 168 291
10 to 19 employees	2	3 442 2 228	47 038 65 911	1 680 646 2 504 293	35 064 49 655	63 404 97 502	1 138 639 1 660 656	3 319 530 4 986 723	1 260 858 2 156 555	4 575 310 7 141 886	302 755 436 008
50 to 99 employees	2	583 229	39 652 32 915	1 556 765 1 279 027	29 777 24 646	60 377 50 017	1 030 027 842 665	3 039 462 2 659 542	1 561 902 1 608 413	4 590 337 4 249 882	253 970 239 608
250 to 499 employees	1 2	16 4	5 559 h	188 878 D	4 370 D	9 405 D	127 323 D	429 871 D	334 541 D	761 144 D	71 324 D
1,000 to 2,499 employees	_	1 -	<u>g</u> _	D -	D -	D -	D -	D -	D -	D -	D -
Administrative records ⁴	9	11 677	20 782	769 099	16 641	30 204	515 609	1 447 896	657 350	2 103 736	151 954

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

¹Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All	All employees		Pr	oduction work	ers		Total	Total	Total capital
		estab- lish- ments ¹	Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)	Value added (\$1,000)	cost of materials (\$1,000)	value of shipments (\$1,000)	expendi- tures (\$1,000)
332710	Machine shops	22 363	240 140	8 968 035	180 651	348 982	5 968 937	17 848 404	8 527 365	26 347 619	1 659 763
3327100	Receipts for machine shop job work and job order repairs	22 363	240 140	8 968 035	180 651	348 982	5 968 937	17 848 404	8 527 365	26 347 619	1 659 763

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Table 6a. Products Statistics: 2002 and 1997

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

		Number of		Product shipments		
Product code	Product	companies with shipments of \$100,000 or more	Quantity of production for all purposes	Quantity	Value (\$1,000)	
332710	Machine shops	N N	X	X	24 571 307 24 415 007	
3327100	Receipts for machine shop job work and job order repairs	N N	X	×	24 571 307 24 415 007	
33271001	Receipts for machine shop job work and job order repairs	N N	Ŷ)	18 782 118 20 541 034	
3327100100	Receipts for machine shop job work and job order repairs	8 504 10 493	X)	18 782 118 20 541 034	
3327100Y	Receipts for machine shop job work and job order repairs, nsk, total	N N	×	×	5 789 189 3 873 973	
3327100YWW	Receipts for machine shop job work and job order repairs, nsk, for nonadministrative-record establishments	N N	X	X	3 826 494 2 284 709	
3327100YWY	Receipts for machine shop job work and job order repairs, nsk, for administrative-record establishments	N N	X	X	1 962 695 1 589 264	

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. Product Class Shipments for Selected States: 2002 and 1997

[Not applicable for this report.]

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
332710	Machine shops		
00900001	Total materials	X	6 298 980
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X X X X	6 265 488 133 603
33200097	Other fabricated metal products (excluding forgings)	X X X	217 120 399 045 435 690
33210000	Forgings	X	157 598 N
33151001	Iron and steel castings (rough and semifinished)	X	707 976
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X X X	603 266 225 496 198 144
33152003	Other nonferrous metalcastings, rough and semifinished (excluding aluminum and aluminum-base alloy)	х	26 319
33120007	Steel bars, bar shapes, and plate (excluding castings, forgings, and fabricated metal products)	X	55 420 333 169
33120007	Steel bars, bar shapes, and plate (excluding castings, lorgings, and labilicated metal products)	X X X X	632 608 96 756
33120016	Steel sneet and strip (including liniplate)	â	96 756 N
33120019	Steel structural shapes and sheet piling (excluding castings, forgings, and fabricated metal products)	Х	13 255
22120001	All other steel shapes and forms (excluding castings, forgings, fabricated metal products, bars,	â	39 402
33120091	bar shapes, plate, sheet, strip, structural shapes, and sheet piling)	×	89 428 99 635
33142105	Copper and copper-base alloy rod, bar, and mechanical wire (including extruded and drawn shapes)	×	18 787
	1997	â	47 727
33142113	All other copper and copper-base alloy shapes and forms (excluding castings, forgings, fabricated metal products, rods, bars, mechanical wire, sheet, plate, and strip)	x	38 480
33131500	1997 Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X X X	N 109 330
33100055	All other aluminum and aluminum-base alloy shapes and forms (excluding castings, forgings,	â	N
30100033	and fabricated metal products)	X X	134 139 133 330
33100082	Other nonferrous metal shapes and forms (excluding aluminum and aluminum-base alloy and copper and copper-base alloy castings, forgings, and fabricated metal products)	x	38 106
33351503	Cutting tools for machine tools	X X X	N 150 014
00190090	1997 Fluid power products	X X	301 761 43 127
	1997	Х	124 217
00970099	All other materials and components, parts, containers, and supplies	X X	1 686 461 1 272 612
00971000	Materials, ingredients, containers, and supplies, nsk	X X	1 897 891 2 104 556

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.